

Installation of Oracle Database 19c on Windows and connection with Navicat

Steps of installation

- Step 1 : Creating an OTN account
- Step 2 : Downloading Oracle Database 19c
- Step 3 : Unzipping Oracle
- Step 4 : Installing and Configuring Oracle

Step 1 : Creating an OTN account

- Applicable if you want to download the oracle 19c by yourself
- Go to <http://www.oracle.com/index.html> and register for an account of your own.



Ask "Oracle Cloud Applications"



View Accounts

Try Oracle Cloud Free Tier

Gen 2 Cloud Infrastructure

Highly automated and secure


Oracle Cloud Infrastructure combines the elasticity and utility of public cloud with the granular control, security, and predictability of on-premise infrastructure.

Cloud Applications

Complete suite of integrated apps

Streamline your business processes. With ERP Financials, Procurement, and more, you can increase productivity, lower costs, and improve controls.

CLOUD ACCOUNT

Sign in to Cloud 

ORACLE ACCOUNT

Sign-In

Create an Account

More on expanded partnership

Read customer story

Step 2: Downloading Oracle 19c

- Go to the following link

<https://www.oracle.com/database/technologies/oracle-database-software-downloads.html>

and scroll down to find the screenshot in the next slide

(Release Schedule of Current Database Releases) on My Oracle Support.

19.5 - Enterprise Edition (also includes Standard Edition 2)

Name	Download	Note
Oracle Solaris (x86 systems, 64-bit)	📄 ZIP (2.7 GB)	See All



19.3 - Enterprise Edition (also includes Standard Edition 2)

Name	Download	Note
Microsoft Windows x64 (64-bit)	📄 ZIP (2.9 GB)	See All
Linux x86-64	📄 ZIP (2.8 GB) 📄 RPM (2.5 GB)	See All
Oracle Solaris (SPARC systems, 64-bit)	📄 ZIP (2.8 GB)	See All
IBM AIX	📄 ZIP (4.1 GB)	See All
HP-UX ia64	📄 ZIP (4.7 GB)	See All

💬 Chat with sales 📞 Contact or call ✕

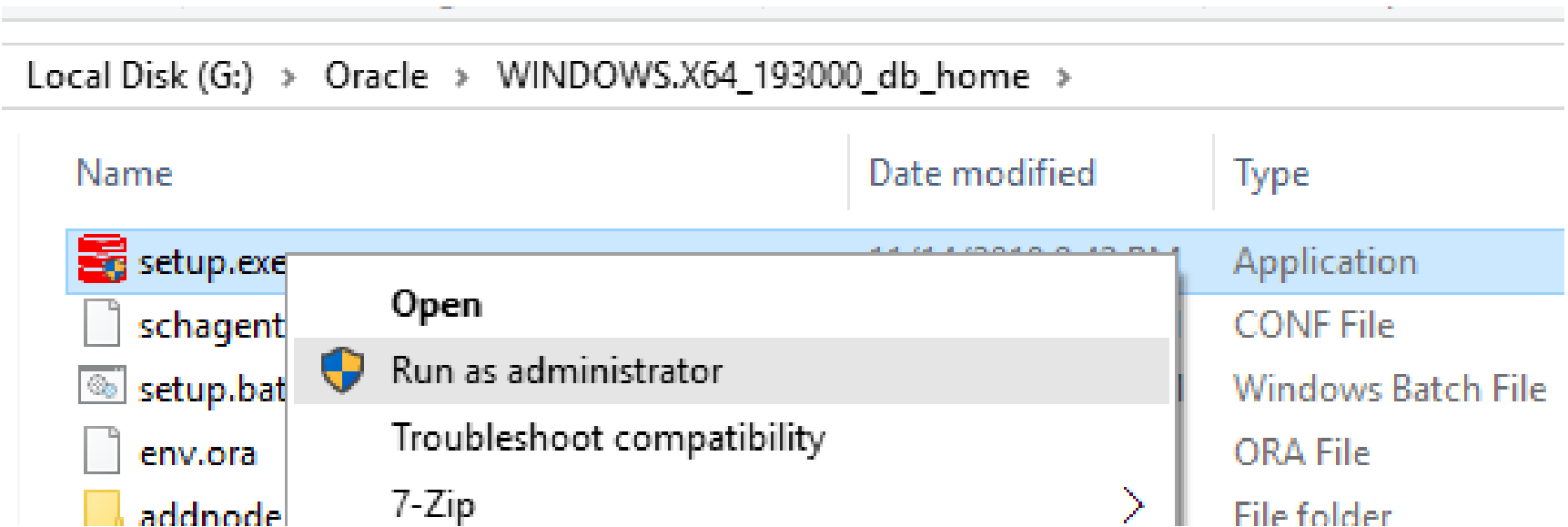
Step 3: Unzipping

- Download the ZIP file
- Move the ZIP file to the folder which you want to use as DB Home** and extract there

Local Disk (G:) > Oracle >		
Name	Date modified	Type
 WINDOWS.X64_193000_db_home	11/15/2021 9:54 AM	File folder
 WINDOWS.X64_193000_db_home.zip	11/15/2021 1:59 AM	WinRAR ZIP

Step 4: Installation

- Navigate to the unzipped folder
- Run setup.exe as administrator**



Step 4 : Installation contd.

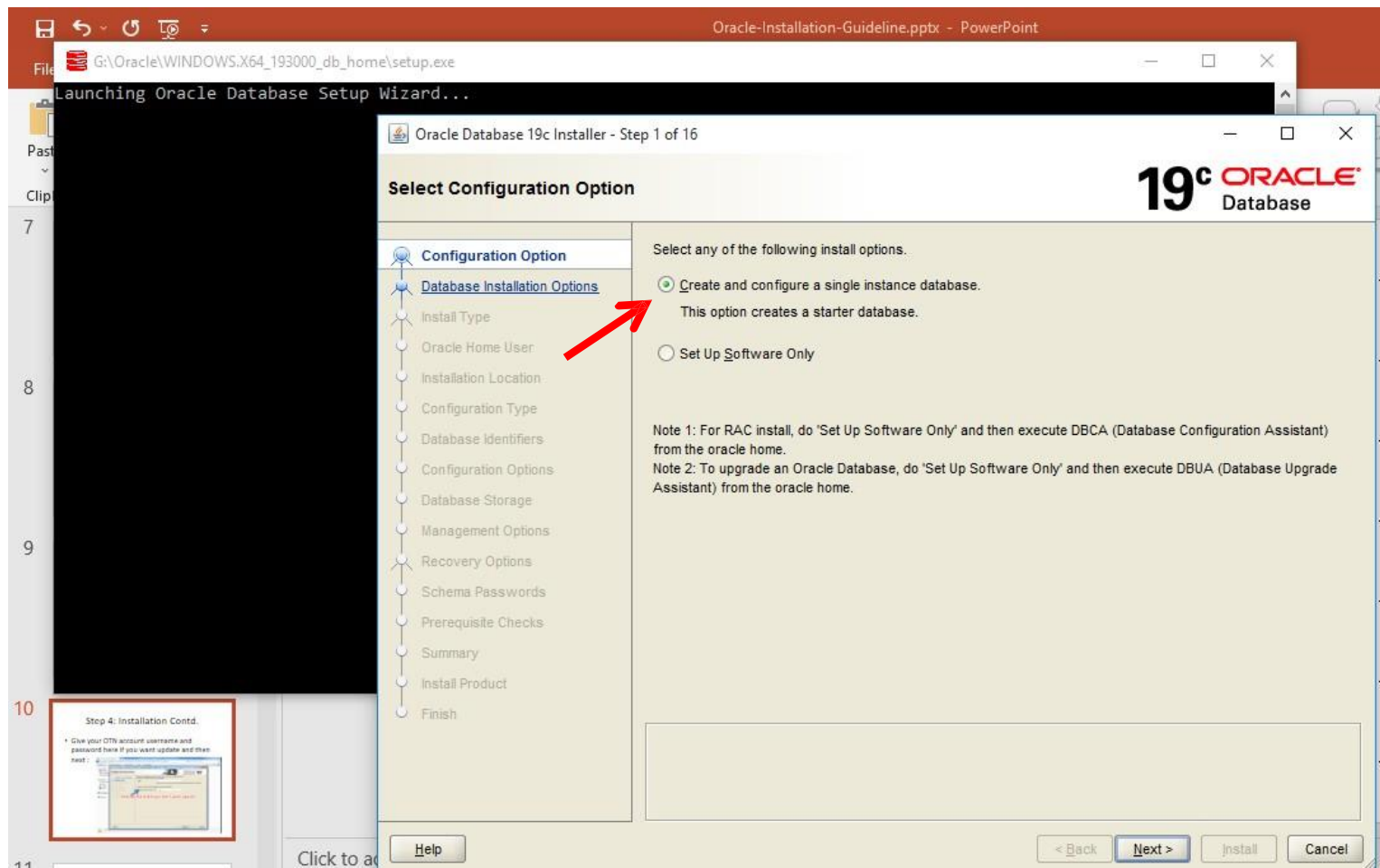
Installation starts with this window:

If any warning about environment is shown just ignore and continue



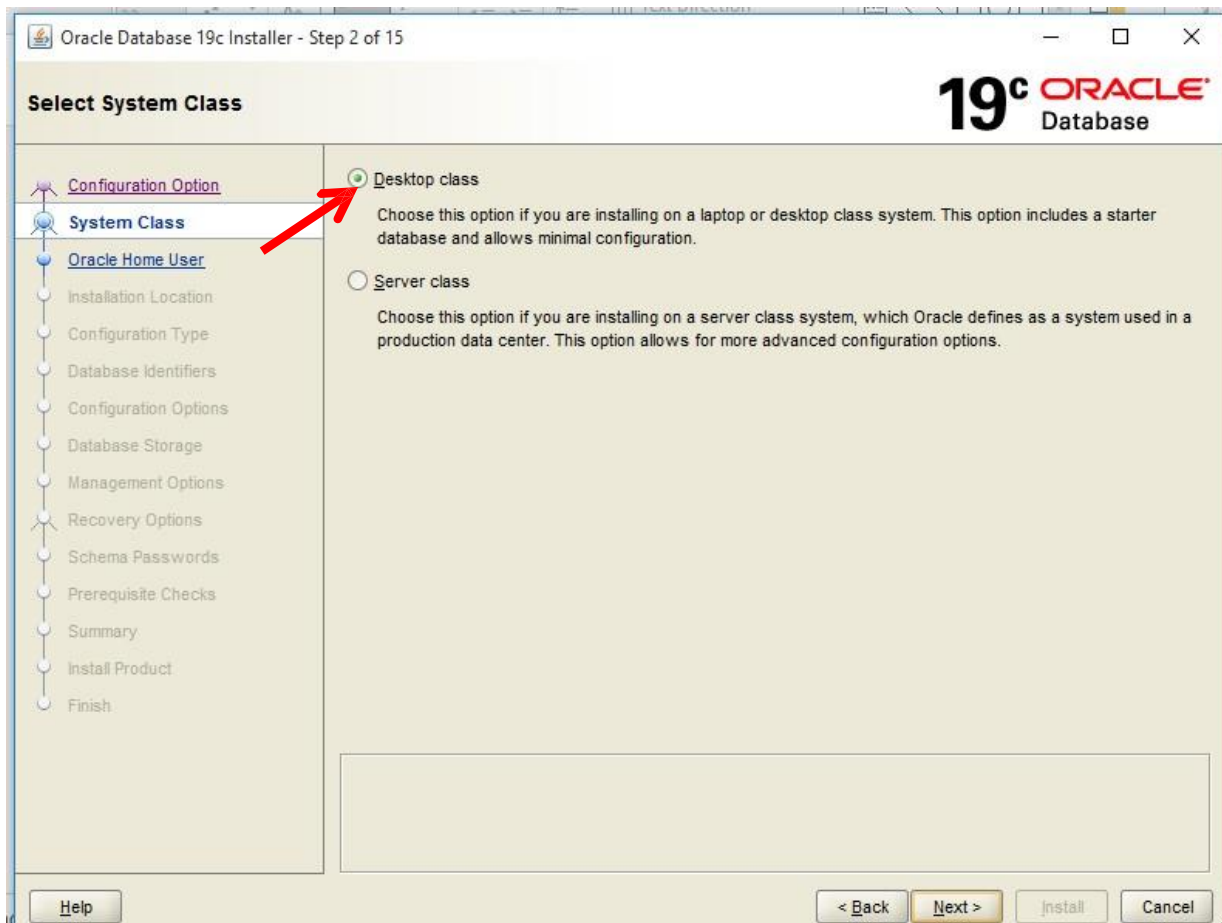
Step 4: Installation Contd.

- Choose the first (Default) option and click Next



Step 4: Installation Contd.

- Choose the first (Default) option and click Next



Step 4: Installation Contd.

- Choose the first (default) option and click Next

Oracle Database 19c Installer - Step 3 of 15

Specify Oracle Home User

19^c ORACLE[®] Database

For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.

☒ Use Virtual Account

☐ Use Existing Windows User

User Name:

Password:

☐ Create New Windows User

User Name:

Password:

Confirm Password:

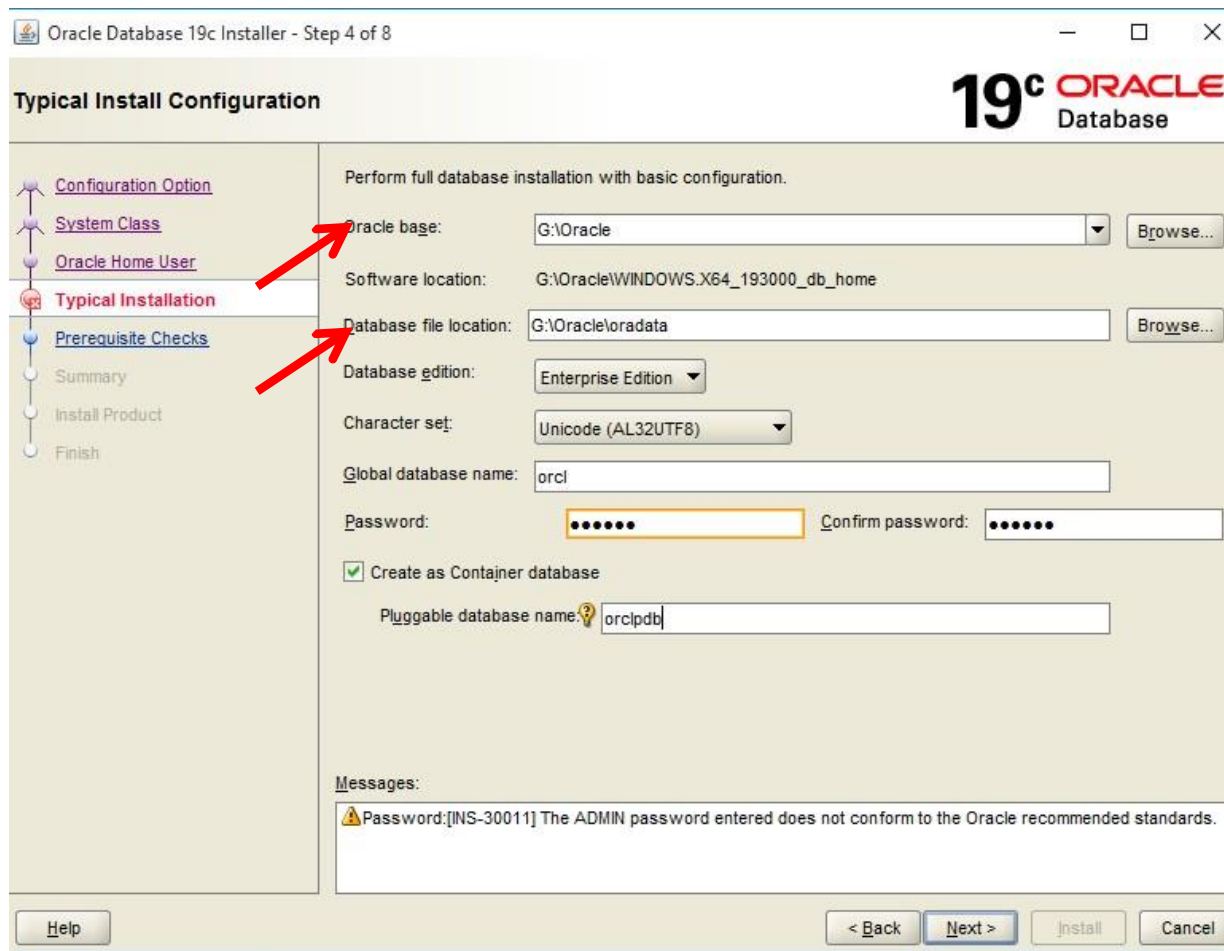
The newly created user is denied Windows logon privileges.

☐ Use Windows Built-in Account

Help < Back Next > Install Cancel

Step 4: Installation Contd.

- Set the locations or keep them as they are



Oracle Database 19c Installer - Step 4 of 8

19^c ORACLE[®] Database

Typical Install Configuration

Perform full database installation with basic configuration.

Configuration Option
System Class
Oracle Home User
Typical Installation
Prerequisite Checks
Summary
Install Product
Finish

Oracle base: G:\Oracle Browse...

Software location: G:\Oracle\WINDOWS.X64_193000_db_home

Database file location: G:\Oracle\oradata Browse...

Database edition: Enterprise Edition

Character set: Unicode (AL32UTF8)

Global database name: orcl

Password: Confirm password:

☒ Create as Container database

Pluggable database name: orclpdb

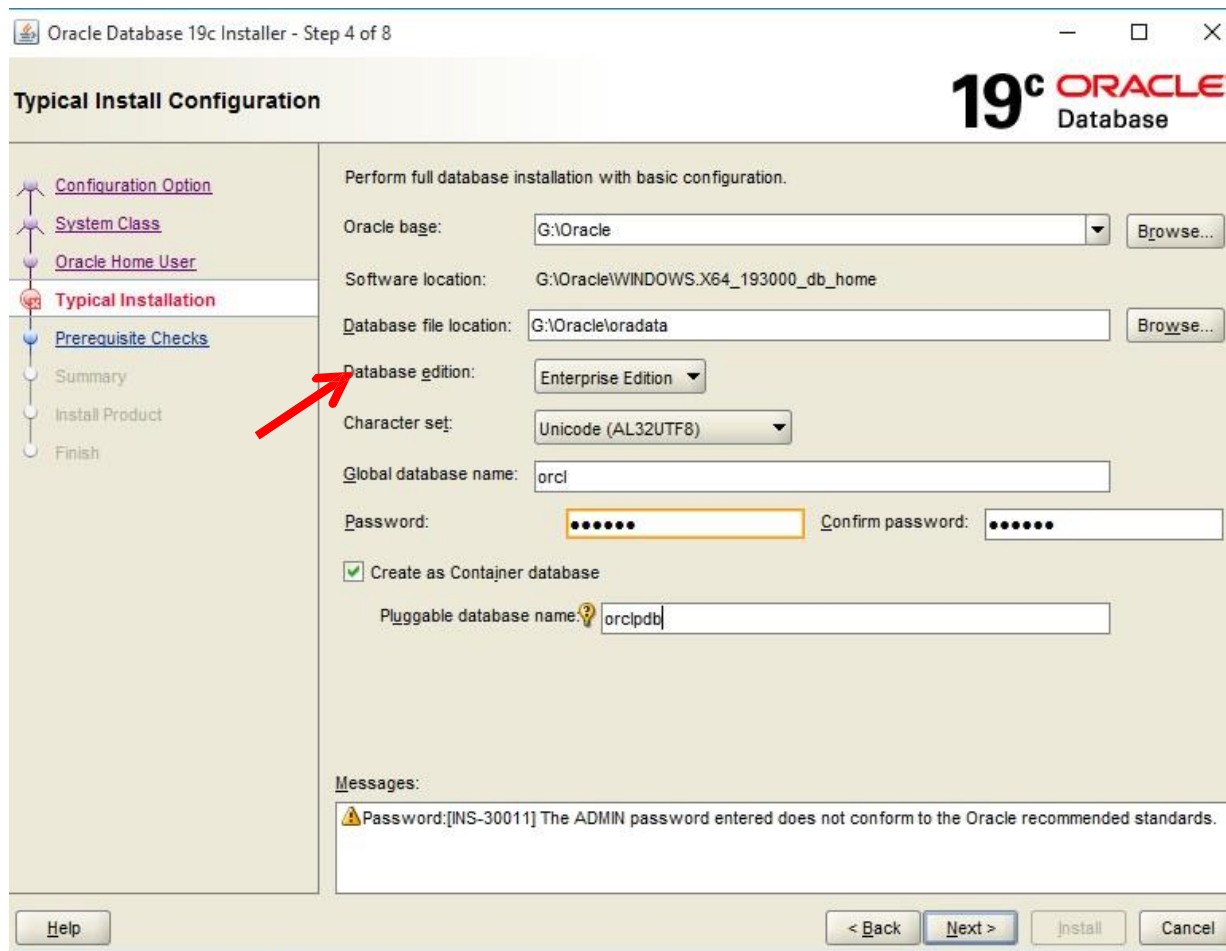
Messages:

⚠ Password:[INS-30011] The ADMIN password entered does not conform to the Oracle recommended standards.

Help < Back Next > Install Cancel

Step 4: Installation Contd.

- Choose the first (default) option [Enterprise Edition]



Oracle Database 19c Installer - Step 4 of 8

19^c ORACLE[®] Database

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Perform full database installation with basic configuration.

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Oracle Home User
Typical Installation
Prerequisite Checks
Summary
Install Product
Finish

Oracle base: G:\Oracle Browse...

Software location: G:\Oracle\WINDOWS.X64_193000_db_home

Database file location: G:\Oracle\oradata Browse...

Database edition: Enterprise Edition

Character set: Unicode (AL32UTF8)

Global database name: orcl

Password: Confirm password:

☒ Create as Container database

Pluggable database name: orclpdb

Messages:

⚠ Password:[INS-30011] The ADMIN password entered does not conform to the Oracle recommended standards.

Help < Back Next > Install Cancel

Step 4: Installation Contd.

- Choose Unicode [Default]

Oracle Database 19c Installer - Step 4 of 8

19^c ORACLE[®] Database

Typical Install Configuration

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Install Product
Finish

Oracle base: G:\Oracle Browse...

Software location: G:\Oracle\WINDOWS.X64_193000_db_home

Database file location: G:\Oracle\oradata Browse...

Database edition: Enterprise Edition

Character set: Unicode (AL32UTF8)

Global database name: orcl

Password: Confirm password:

☒ Create as Container database

Pluggable database name: orclpdb

Messages:

⚠ Password:[INS-30011] The ADMIN password entered does not conform to the Oracle recommended standards.

Help < Back Next > Install Cancel

Step 4: Installation Contd.

- Fill and **note down**** these fields
- This password is your **Admin Password** for oracle
- Oracle Database name is your **SID**

Oracle Database 19c Installer - Step 4 of 8

19^c ORACLE[®] Database

Typical Install Configuration

Perform full database installation with basic configuration.

Configuration Option
System Class
Oracle Home User
Typical Installation
Prerequisite Checks
Summary
Install Product
Finish

Oracle base: G:\Oracle Browse...

Software location: G:\Oracle\WINDOWS.X64_193000_db_home

Database file location: G:\Oracle\oradata Browse...

Database edition: Enterprise Edition

Character set: Unicode (AL32UTF8)

Global database name: orcl

Password: Confirm password:






☒ Create as Container database

Pluggable database name: orclpdb

Messages:

⚠ Password:[INS-30011] The ADMIN password entered does not conform to the Oracle recommended standards.

Help < Back Next > Install Cancel

Perform Prerequisite Checks**19^c ORACLE[®]**
Database [Configuration Option](#) [System Class](#) [Oracle Home User](#) [Typical Installation](#) **[Prerequisite Checks](#)** [Summary](#) [Install Product](#) [Finish](#)

Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait.

100%

[Help](#)< [Back](#)[Next >](#)[Install](#)[Cancel](#)

Summary

19^c ORACLE[®]

Database

[Configuration Option](#)[System Class](#)[Oracle Home User](#)[Typical Installation](#)[Prerequisite Checks](#)**Summary**[Install Product](#)[Finish](#)

Oracle Database 19c Installer

Global settings

Oracle Home User: Virtual Account [\[Edit\]](#)Install method: Desktop installation [\[Edit\]](#)Database edition: Enterprise Edition (Create and configure a database) [\[Edit\]](#)Oracle base: D:\app\Umaiza [\[Edit\]](#)

Software location: D:\Software\Oracle_DB_19c

OraMTS Port Number: 49152

Database information

Configuration: General Purpose / Transaction Processing

Global database name: orcl [\[Edit\]](#)Oracle system identifier (SID): orcl [\[Edit\]](#)Pluggable database name: orclpdb [\[Edit\]](#)

Allocated memory: 2850 MB

Automatic memory management option: FALSE

Database character set : AL32UTF8 (Unicode UTF-8 Universal character set) [\[Edit\]](#)

Management method: Database express

Database storage mechanism: File system

Database file location: D:\app\Umaiza\oradata [\[Edit\]](#)

Recovery: Disabled

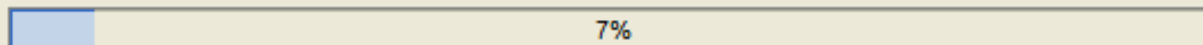
[Save Response File...](#)[Help](#)< [Back](#)[Next](#) >[Install](#)[Cancel](#)

Install Product

19^c ORACLE[®]
Database

- Configuration Option
- System Class
- Oracle Home User
- Typical Installation
- Prerequisite Checks
- Summary
- Install Product**
- Finish

Progress



updating registry key 'HKEY_LOCAL_MACHINE/SOFTWARE/ORACLE/KEY_OraDB19Home1'

Status

➤	Configure Local Node	In Progress
➤	• Prepare	In Progress
	• Setup	Pending
	Setup Oracle Base	Pending
	Oracle Database configuration	Pending

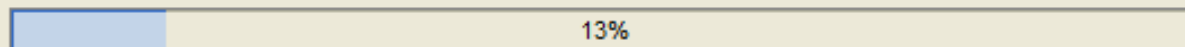
[Details](#)[Revert All](#)[Revert](#)[Retry](#)[Skip](#)**19^c ORACLE[®]**
Database[Help](#)< [Back](#)[Next](#) >[Install](#)[Cancel](#)

Install Product

19^c ORACLE[®]
Database

- Configuration Option
- System Class
- Oracle Home User
- Typical Installation
- Prerequisite Checks
- Summary
- Install Product**
- Finish

Progress



D:\WINDOWS.X64_193000_db_home\bin\lsnrctl.exe start LISTENER

Status

✓	Configure Local Node	Succeeded
✓	• Prepare	Succeeded
✓	• Setup	Succeeded
✓	Setup Oracle Base	Succeeded
→	Oracle Database configuration	In Progress
→	• Oracle Net Configuration Assistant	In Progress
	• Oracle Database Configuration Assistant	Pending
	• Oracle Services For Microsoft Transaction Server	Pending

[Details](#)[Revert All](#)[Revert](#)[Retry](#)[Skip](#)**19^c** ORACLE[®]
Database[Help](#)

< Back

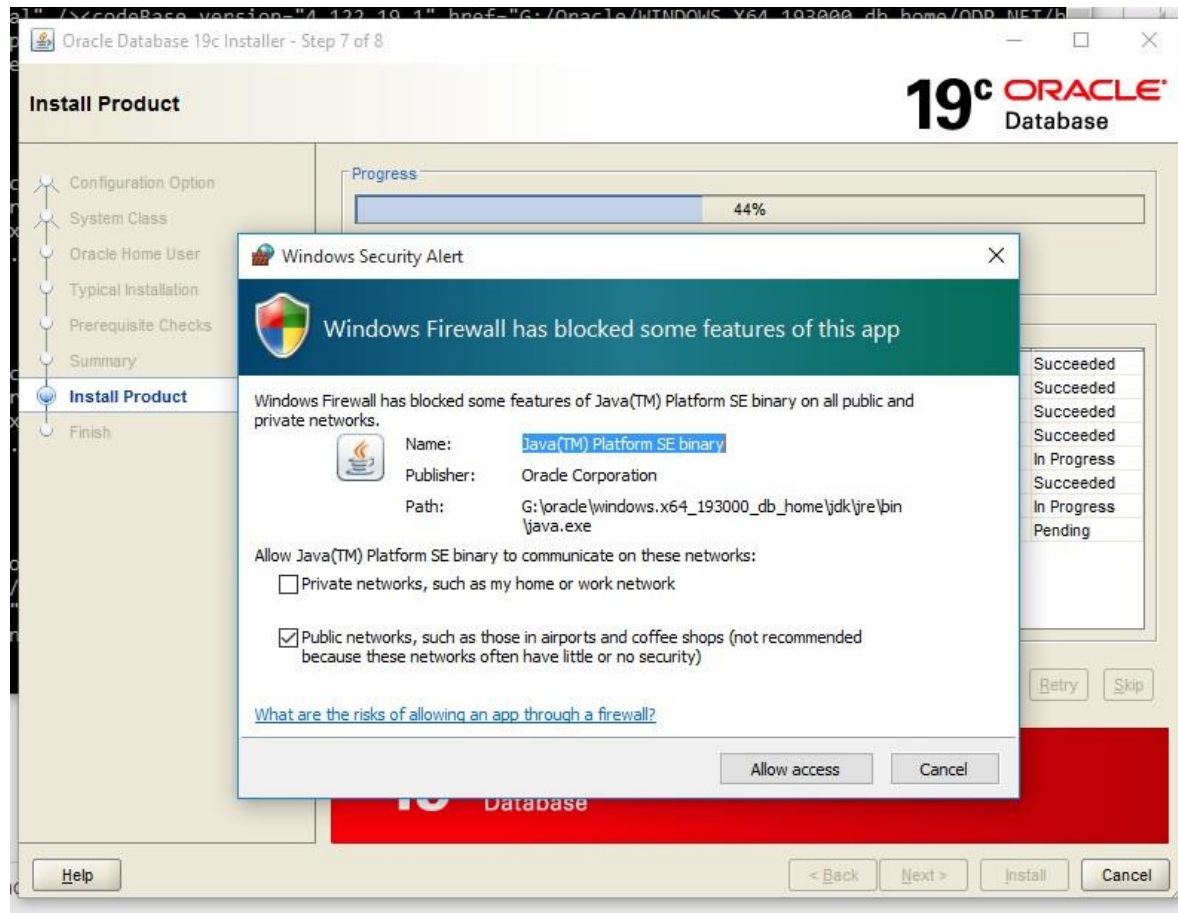
Next >

Install

Cancel

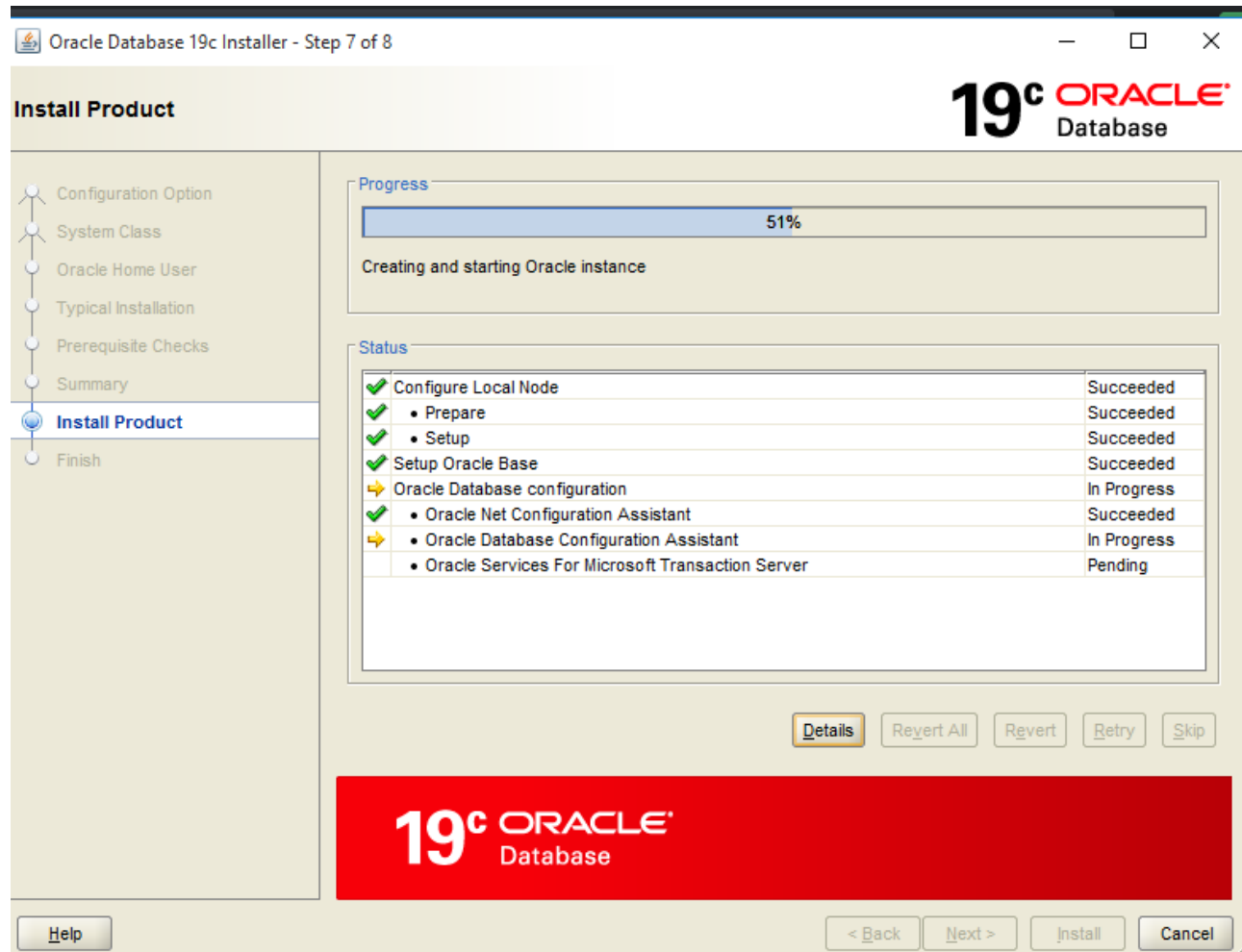
Step 4: Installation Contd.

- Allow Network Access

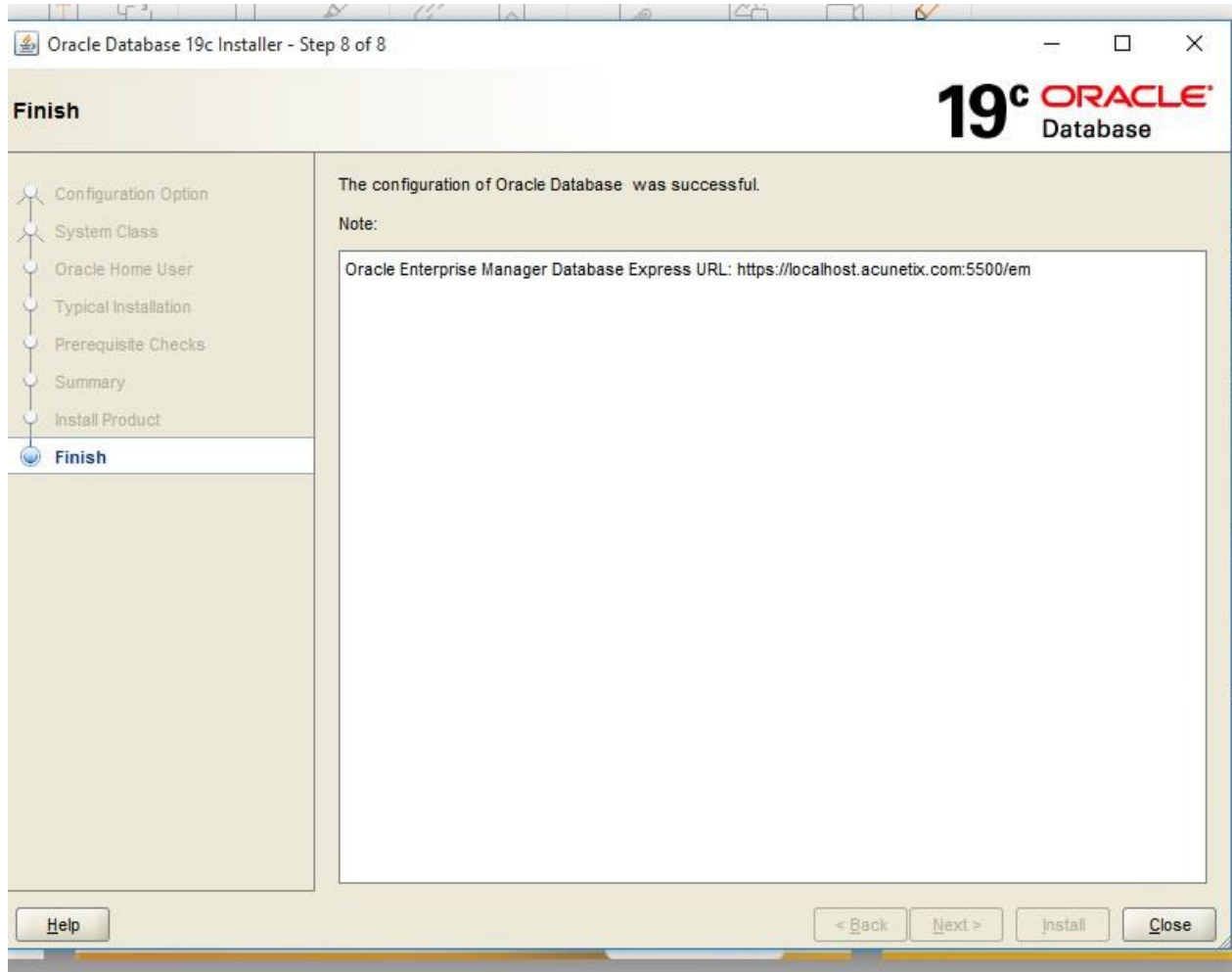


Step 4: Installation Contd.

- At this stage installation may take time.



Step 4: Installation Finished.



Setting Up

- Then go to start menu
 - Oracle – OraDB19Home1,
- Or just search for “SQL Plus”
- Run “SQL Plus”

Setting Up

- Try
 - Username: SYSTEM
 - Password: password you have set earlier

Setting Up HR Schema

- Login with SYS
 - connect sys as sysdba
 - Enter password: password

Setting Up HR Schema

- `alter session set "_ORACLE_SCRIPT"=true;`
- `create user hr identified by hr;`
- `drop user hr cascade;`
- `@?/demo/schema/human_resources/hr_main.sql`

Setting Up HR Schema

- Value for 1: hr (or any other password)
- Value for 2: users
- Value for 3: temp
- Value for 4: @?/demo/schema/log/

```
SQL> @?/demo/schema/human_resources/hr_main.sql

specify password for HR as parameter 1:
Enter value for 1: hr

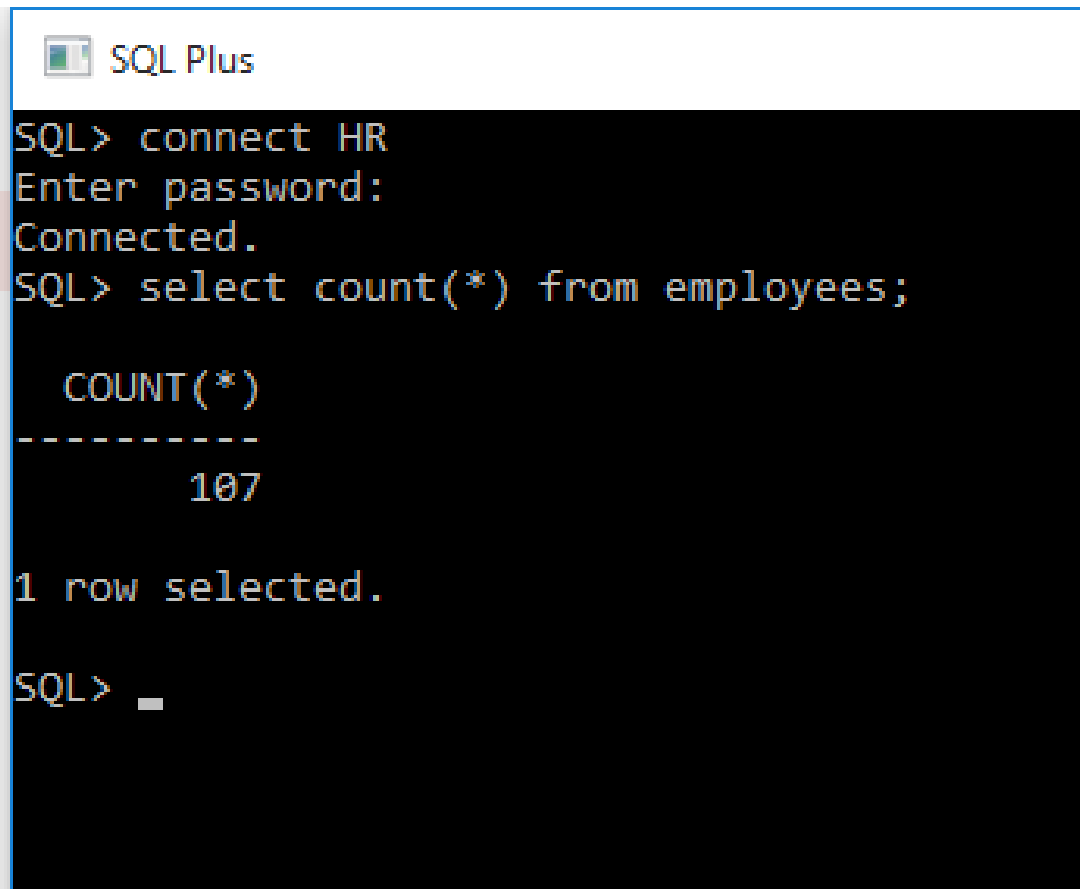
specify default tablesppace for HR as parameter 2:
Enter value for 2: users

specify temporary tablespace for HR as parameter 3:
Enter value for 3: temp

specify log path as parameter 4:
Enter value for 4: @?/demo/schema/log/
```

Setting Up HR Schema

- Connect HR (log in to HR)



```
SQL Plus
SQL> connect HR
Enter password:
Connected.
SQL> select count(*) from employees;

  COUNT(*)
-----
        107

1 row selected.

SQL> _
```

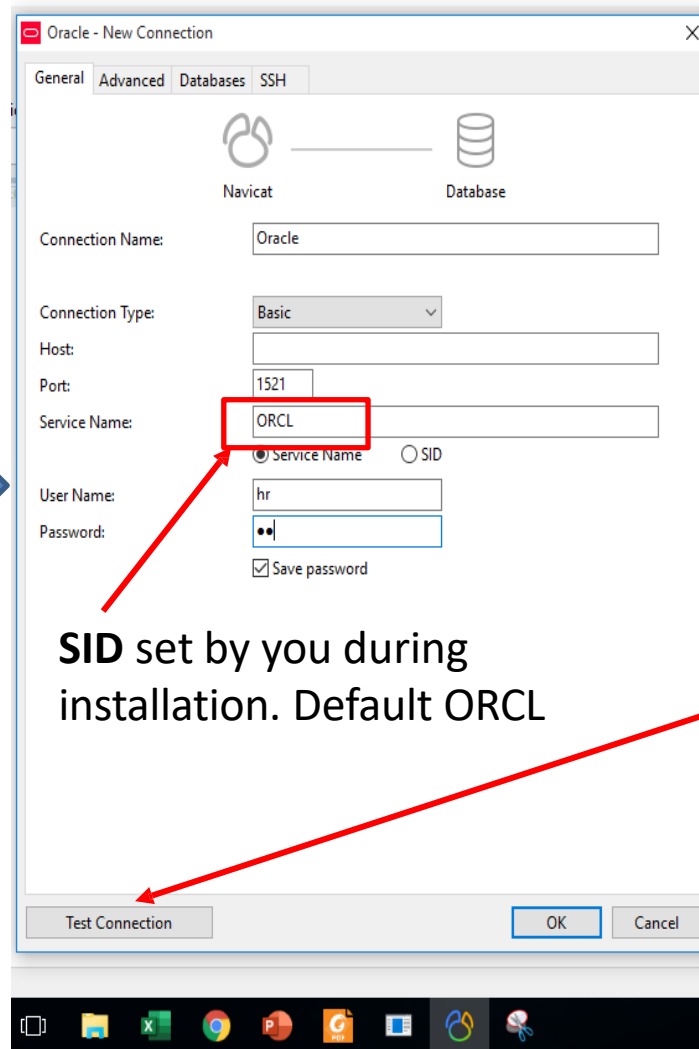
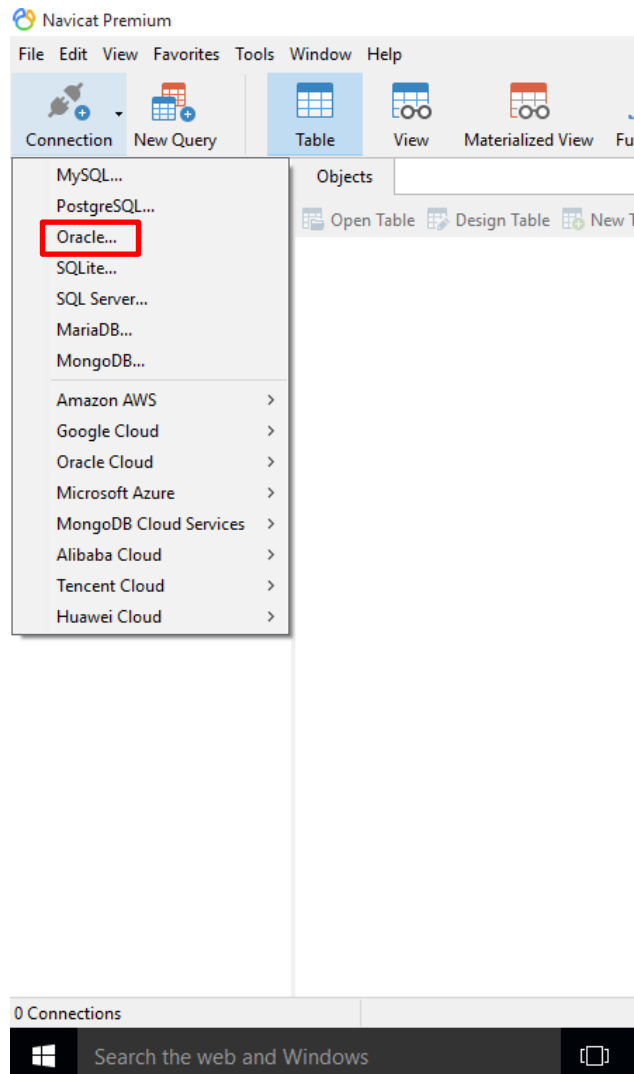
Using SQL Plus in Lab

- First go to SQL plus and connect to system with
 - username: sys as sysdba
 - password: 123
- Then give the following command:
 - alter user hr identified by hr account unlock;
- Then test the connection with following command:
 - connect hr
- When prompted for password give 'hr' as input.
- If it displays connection successful , then connection is set up properly.

Connecting with Navicat

- Download and Install Navicat from the link below
- <https://www.navicat.com/en/download/navicat-premium>

Connecting Navicat with Oracle HR



Test connection. If successful, click ok.

SID set by you during installation. Default ORCL

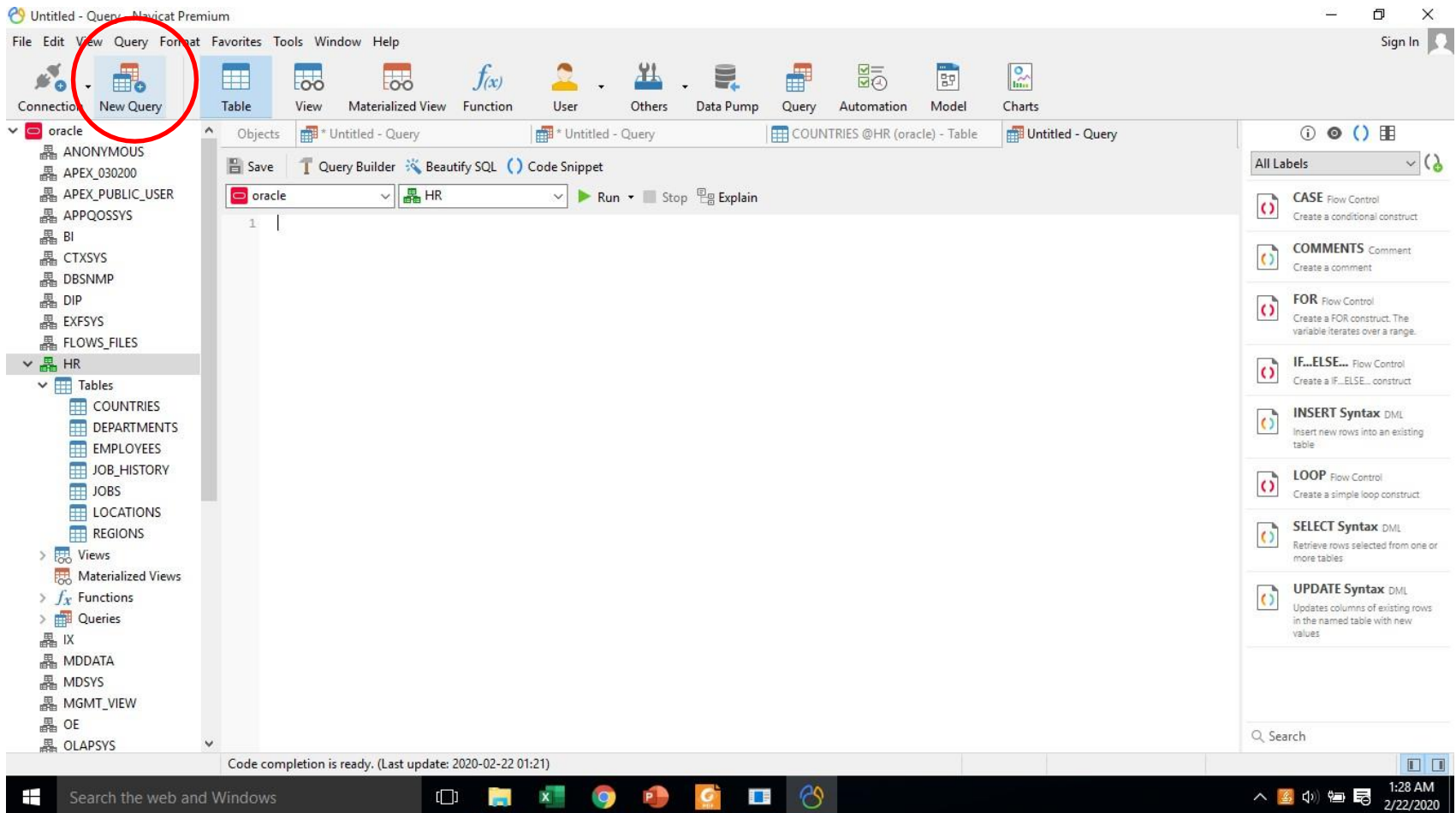
Troubleshooting

ORA-12541: TNS:no listener

<https://stackoverflow.com/questions/13358656/oracle-client-ora-12541-tnsno-listener>

Writing Queries

Click “New Query” and start writing queries



References

- <http://www.rebellionrider.com/how-to-install-oracle-database-19c-on-windows-10/>
- <http://www.rebellionrider.com/how-to-uninstall-oracle-database-19c/>